

CASCADING TUB FILLER AND OVERFLOW ASSEMBLY

Abstract of th Disclosure

5 An inner and an outer body are clamped toward opposite faces of
a tub wall over a tub overflow opening. Excess water flows from the
tub through an overflow outlet water passage extending through the
inner and outer bodies. A water inlet passage has an inlet in the outer
body and a non-circular outlet in the inner body. Flow from the tub into
the water supply is prevented by a check valve in the water inlet
passage. An inlet water conditioning assembly is supported at the
10 outlet of the water inlet passage to provide a smooth, controlled,
laminar cascading flow into the tub. The inlet water conditioning
assembly includes a flow straightener with parallel blades parallel to the
flow direction dividing the total flow into segments that are reunited in a
header region at the outlet of the flow straightener. A screen assembly
15 downstream from the header region includes a number of wire mesh
screen laminas each having a wire direction angularly offset from the
wire direction of adjacent screens.